

## केंद्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 2713(Part 1 to 3)

14 08 2018

**विषय: 2713 (Part 1 to 3) के अनुपालन हेतु एस आई टी**

सभी शाखा कार्यालय से आग्रह है कि एस आई टी Doc: SIT/IS 2713 (Part 1 to 3)/1, August 2018 का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(अमित कुमार)  
वैज्ञानिक 'सी' (सी एम डी-III)

**प्रमुख (सी एम डी-III)**

सभी क्षेत्रीय/शाखा कार्यालय

आई टी एस विभाग— बीआईएस इंटरनेट पर अपलोड करने हेतू

### **CENTRAL MARKS DEPARTMENT-III**

Our Ref: CMD-3/16: IS 2713(Part 1 to3)

14 08 2018

**Subject: SIT for IS 2713 (Part 1 to 3) – Tubular Steel Poles for Overhead Power Lines.**

BOs are requested to implement the SIT Doc: SIT/IS 2713 (Part 1 to 3)/1, August 2018 with immediate effect.

Amit Kumar  
Sc. C (CMD III)

**Head (CMD III)**

Circulated to: All ROs/BOs

Copy to: ITS for hosting on Intranet

**SCHEME OF INSPECTION AND TESTING  
FOR CERTIFICATION OF TUBULAR STEEL POLES FOR OVERHEAD POWER  
LINES ACCORDING TO IS 2713 (PART I TO III) : 1980**

**1.LABORATORY** - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

**1.1**The manufacturer shall prepare a calibration plan for the test equipments.

**2. TEST RECORDS** –The manufacturer shall maintain test records for the tests carried out to establish conformity.

**3. LABELLING AND MARKING**–As per the requirements of IS 2713 (Part 1). In addition, each pole shall carry identification code or similar marking for traceability.

**4. CONTROL UNIT** – **Poles of one designation manufactured by the same process under similar condition of production** shall constitute a control unit.

**5. LEVELS OF CONTROL** - The tests as indicated in column 1 of Table 1 and the levels of control submitted by the manufacturer in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

**5.1** All the production which conforms to the Indian Standard and covered by the licence should be marked with Standard Mark.

**6. REJECTIONS** –Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

**TABLE 1**

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Recommended Levels of Control		
Clause	Requirement	Test Methods Clause Reference			No. of Sample	Frequency	Remarks
5	Manufacture	5.1	IS 2713 (Part I)	S	As per clause 5.1.1 and 5.1.2 of IS 2713 (Part 1)	Each consignment received	No further testing is required, if accompanied with the test certificate or ISI Marked.
		3	IS 2713 (Part II)				
		5.2 to 5.4	IS 2713 (Part I)	R			
6	Chemical composition	6.1	IS 2713 (Part I)	S	One	Each consignment received	No further testing is required, if accompanied with the test certificate or ISI Marked.
7	Freedom from defects	7.1	IS 2713 ( Part I)	R	Each Pole	-	-
8	Tolerances	8.1 to 8.5	IS 2713 (Part I)	R	Each Pole	-	-
10	<b>Tests for poles</b>	10.1	IS 2713 (Part I)				#
	a) Deflection test	10.1.2	IS 2713 (Part I)	R	One	Each control unit	
	b) Permanent set test	10.1.3	IS 2713 (Part I)	R			
	c) Drop test	10.1.4	IS 2713 (Part I)	R			
12	Workmanship	12.1 & 12.2	IS 2713 (Part I)	R	Each Pole	-	-
13	Protection against corrosion	13.1 & 13.2	IS 2713 (Part I)	R	Each Pole	-	-
14	Earthing arrangement	14.1	IS 2713 (Part I)	R	Each Pole	-	The arrangement may be made as per purchaser requirement.

4	Physical requirement of finished pole	4.1	IS 2713 (Part II)	R	One	Each Control Unit	#
5	Dimensions and Structural properties	5.1 & 5.2	IS 2713 (Part II)	R	Each Pole	-	-

# In case of failure of pole in any of the requirement, two more poles from same control unit shall be tested for that requirement and control unit shall be rejected if there is any failure.

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-2 : Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by B.O. Head.